CLAIMS

- A method of shielding a circuit device,
 comprising:
- (a) providing a circuit board on which an 5 electronic component has mounted and which has a ground connection portion;

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- (b) inserting an entire portion of said circuit board into a shield pack having a sack shape, said shield pack having an insulating layer as an innermost layer and an electric conductive layer as an outermost layer; and
- (c) contacting said insulating layer of said shield pack with said electronic component and said circuit board,
- said circuit board is connected to said electric conducive layer of said shield pack.
 - 2. The shielding method of a circuit device
 20 according to claim 1, wherein said (c) contacting step comprises:
 - (d) reducing an internal capacity of said shield pack.
 - 25 3. The shielding method of a circuit device according to claim 2, wherein said circuit board is further comprises a ground connection terminal

connected to said ground connection portion, and said ground connection terminal breaks through said shield pack to be connected with said electric conducive layer during said (c) contacting step.

- 4. The shielding method of a circuit device according to claim 3, wherein said ground connection terminal comprises:
- a tip portion having a conical shape; and a base portion connected to said tip portion, and

said base portion has a sectional area which is smaller than a bottom plane of said cone such that said base portion does not project from the bottom plane of said cone.

5. The shielding method of a circuit device according to claim 4, wherein said base portion of said ground connection terminal has a height which is substantially equal to a thickness of said shield pack, and

when said tip portion breaks through said shield pack, the bottom plane of said cone is connected to said electric conductive layer.

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6. The shielding method of a circuit device

connecting said ground connection portion and

according to claim 2, further comprising:

said electric conductive layer by passing an electric conductive connection component through said ground

5 connection portion between said shield pack and said circuit board, after said insulating layer of said shield pack is fit with said electronic component and said circuit board.

The shielding method of a circuit device according to claim 6, wherein said circuit board has a through-hole formed in said ground connection portion,

said through-hole is filled with an electric conductor connected to said ground connection portion,

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said connection component passes through said through-hole to connect said ground connection portion with said electric conductive layer.

20 8. The shielding method of a circuit device according to claim 6 or 7, wherein said connection component is used to fix said circuit board contained within said shield pack to a housing, and

said housing has an electric conductive 25 portion connected to said electric conductive layer.

9. The shielding method of a circuit device

according to any of claims 3 to 5, wherein said (d) reducing step comprises:

vacuum-sucking air contained in said shield pack such that said insulating layer of said shield pack contacts said electronic component and said circuit board.

10. The shielding method of a circuit device according to any of claims 3 to 5, wherein an adhesive agent is coated on at least a portion of said circuit board and at least a portion of an outer surface of said electronic component, and

said (d) reducing step comprises:

vacuum-sucking air contained in said shield

15 pack such that said insulating layer of said shield

pack contacts said electronic component and said

circuit board.

11. The shielding method of a circuit device
20 according to any of claims 3 to 5, wherein said shield pack is made of thermal shrinkage material, and

heating said shield pack such that said insulating layer of said shield pack contacts said electronic component and said circuit board.

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said (d) reducing step comprises:

12. The shielding method of a circuit device

according to any of claims 3 to 5, wherein an adhesive agent is coated on at least a portion of said circuit board and at least a portion of an outer surface of said electronic component,

5 said shield pack is made of thermal shrinkage material, and

said (d) reducing step comprises:

heating said shield pack such that said insulating layer of said shield pack contacts said electronic component and said circuit board.

13. An electromagnetically shielded circuit device comprising:

a circuit board on which an electronic

15 component has been mounted and which has a ground connection portion;

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a sack-shaped shield pack which covers an entire portion of said circuit board, said shield pack having an insulating layer as an innermost layer and an electric conductive layer as an outermost layer; and

an electric conductive connection component which passes through said shield pack to said circuit board to connect said ground connection portion to said electric conductor layer of said shield pack.

14. The electromagnetically shielded circuit

device according to claim 13, wherein said connection component is a ground connection terminal which is previously fixedly provided to said ground connection portion of said circuit board.

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15. The electromagnetically shielded circuit device according to claim 14, wherein said ground connection terminal has a tip portion having a conical shape and a base portion connected to said tip portion, and

said base portion has a sectional area which is smaller than a bottom plane of said cone such that said base portion does not project from the bottom

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plane of said cone.

16. The electromagnetically shielded circuit device according to claim 15, wherein said base portion of said ground connection terminal has a height which is substantially equal to a thickness of said shield pack, and

the bottom plane of said cone is connected to said electric conductive layer under in a state that said tip portion breaks through said shield pack.

25 17. The electromagnetically shielded circuit device according to claim 13, wherein said circuit board has a through-hole formed in said ground

connection portion,

said through-hole is filled with an electric conductor connected to said ground connection portion, and

- said connection component passes through said through-hole to connect said ground connection portion with said electric conductive layer.
- 18. The electromagnetically shielded circuit
 10 device according to claim 13 or 17, wherein said connection component is a vis, and is used to fix said circuit board contained within said shield pack to a housing, and

said housing has an electric conductive -15 portion connected to said electric conductive layer.